ITRONIX®

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| **TITLE:** | **fex21 9-Pin charger Adapter** |
| **ABSTRACT:** | Limitations of the new fex21 9 Pin D-Type Charging Adapter |

## Introduction

In response to customer requests Itronix UK has recently introduced a D-Type charger adapter (Itronix part number P-0970-1000) for the fex21 to replace the old style spade connector (Itronix part number P-0970-0000). This document is intended to highlight the differences between the old and new style charger adapters.

## VCC-Out

The fex21 primary and secondary D-Type Com ports both provide 5V-power output on pin 9. Pin 9 is also used as charger input when charging via the D-Type. For this reason the new style connector does not allow 5V output to be carried through. This means that fex21 powered devices cannot be used on Com1 of the fex21 with the D-Type charger attached.

There are further options available to the user should an fex21 powered device be required whilst charging through Com1:

- The fex21 is available with an optional secondary Com port that also provides 5V output. The output on this port is not affected when using the D-Type charger adapter and can be used as normal to power external devices.

- The fex21 Desk Mount Docking Station still utilises the original charging studs, located at the base of the unit, for charging the device. If the Desk Mount is being used then Com1 can be used for powering devices in the normal way.

- Finally the fex21 vehicle mount also negates the requirement for the D-Type charger adapter thus allowing Com1 to be used in the normal way.

## Vehicle Charging

The new style Charger Adapter does not contain any circuitry for limiting voltage so it is important that it is only ever used in conjunction with an approved fex21 mains charger. The current fex21 vehicle charger lead (Part Number P-0870-7040) can not be used with the D-Type adapter.

If external power is required whilst in a vehicle then the vehicle charger cable can be used in conjunction with the older style spade connector.

There is also an optional fex21 Vehicle Mount that charges the unit via the charging Studs connector, therefore allowing normal access to the 9-Way D-type primary Com port.

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